

Thank you for purchasing the **Bioenno Power BPP-240 Renewable Power Pack**

## Introduction

The Bioenno Power BPP-240 Power Bank is a light weight, compact, renewable power pack based on a LiFePO4 battery. The unit can also be used to supply mobile power to your cell phone, tablets, and particular laptop computers. The unit also includes an LED status display showing the power remaining. The unit is rugged and durable.

## Typical Applications

- Powering computers and electronics

## Contents

- 1 - Bioenno Power BPP-240
- 1 - Power cord
- 1 - User Manual

## Specifications (summary)

<b>Dimensions</b>	12 in. x 9 in. x 4.875 in. (305 mm x 229 mm x 124 mm)
<b>Battery Capacity</b>	240 Watt Hours (12 v x 20 Ah = 240 Watt Hours)
<b>Output</b>	110VAC, 200Watts Max 12VDC, 5A USB 5VDC /1 A
<b>Input</b>	AC: 110VAC Input (Unit includes a built-in AC-to-DC Charger for charging the internal LiFePO4 Battery)  DC (Solar Panel) Input: Unit includes a 20A Solar Charge Controller which allows for 25VDC maximum input from a solar panel for charging the unit
<b>Operating Temperature</b>	-10 deg C to 30 deg C
<b>Cycle Life</b>	Approximately 2000 times

For the full specification, please visit [www.bioennopower.com](http://www.bioennopower.com)

## Caution

- Do not disassemble.
- Exercise caution when using the unit to prevent short circuits.
- Do not expose to rain or excessive moisture
- Do not expose to flames; avoid exposure to direct sunlight if temperature exceeds 30°C or 86°F

## Instructions for Use

### AC Charging

1. Attach the power cord to the 120VAC input
2. Turn on AC/USB, Main, and DC switches
3. **Make sure to charge the unit for 5 hours before first use.**
4. It is not suggested to charging and discharge the unit at the same time. Charge the unit first, then disconnect from AC power.

### Solar Panel Charging

1. Remove the metal connector that protrudes from the unit by twisting the metal cap near the base of the connector then pull it out. Next, unscrew the black plastic portion from the metal body of the connector. There are 3 wire receptacles where wires from the solar panel can be soldered to. Note the number and the corresponding receptacles. Receptacle #1 is positive, #2 is negative, #3 is unused.



*When viewed with the receptacles facing away from you*

2. Solder the power wires from the solar panel to the connector, ensure the polarity is correct by checking with a meter.
3. Use a 40 Watt (maximum) Solar panel for charging the unit. **Please note that the solar panel is not included.**

### Using the unit

1. Turn on the "Main" switch first, then turn on "AC/USB" switch (a beep will sound) or "DC" switch depending on your application
2. Press the red button on the battery capacity gauge to check battery level

## Contact Us

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# Bioenno Power

## BPP-240 User Manual

